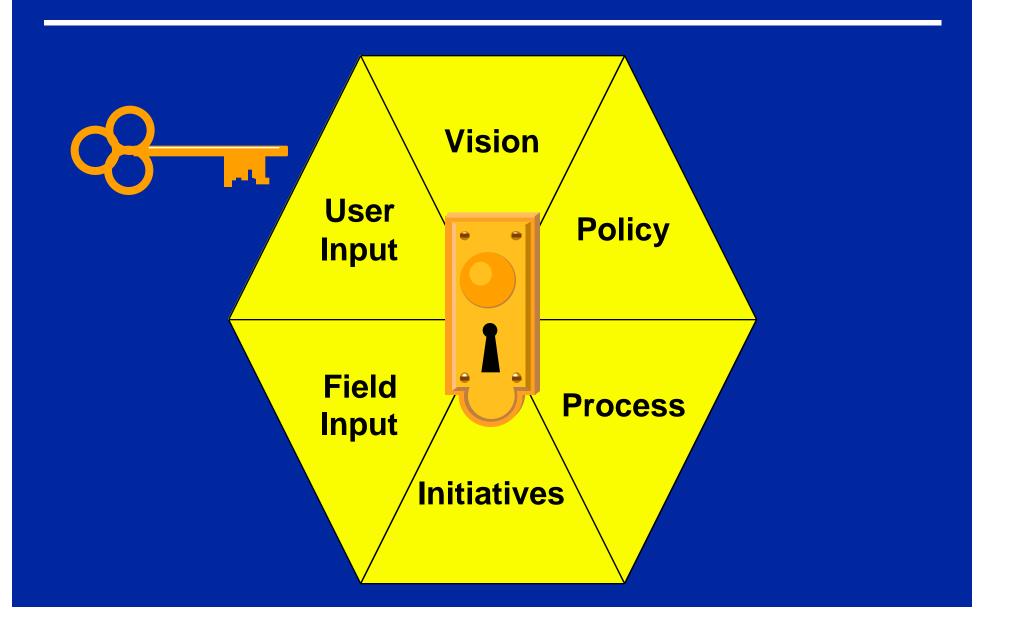
CTEIP Visionary Projects TENA/CDAPS/VTTR/JRRC

(Projects Depending on HLA)

AMG 18 10 Apr 97

George Rumford DUSD(A&T)/DTSE&E/TFR

Keys to the Future



Potential Common Capabilities

- Airborne Instrumentation
- On-Board Missile Instrumentation
- Drone Control Systems
- Telemetry Systems
- Range Data Links
- Stimulators in Facilities
- Tools for Integrating Simulations & Live Systems
- Tools for Connecting Multiple Facilities & Ranges
- Data Processing and Display Software Modules
- Architecture

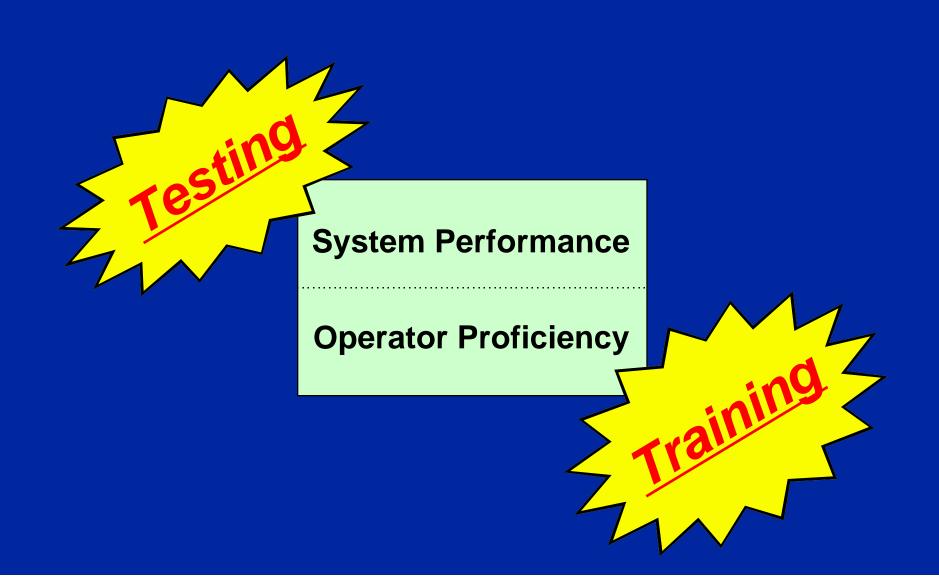
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(and many more)

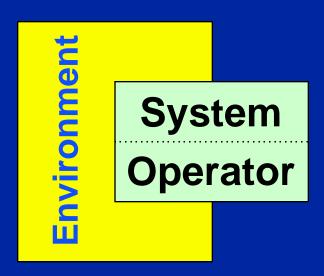
Commonality Projects

- Airborne Instrumentation CAIS
- On-Board Missile Instrumentation JAMI
- Drone Control Systems NGTCS
- Telemetry Systems | ARTM
- Range Data Links FIRST
- Stimulators in Facilities JISTF
- Tools for Integrating Simulations & Live Systems VTTR
- Tools for Connecting Multiple Facilities & Ranges JRRC
- Data Processing and Display Software Modules CDAPS
- Architecture TENA

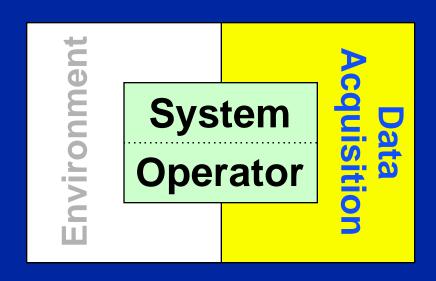
Users



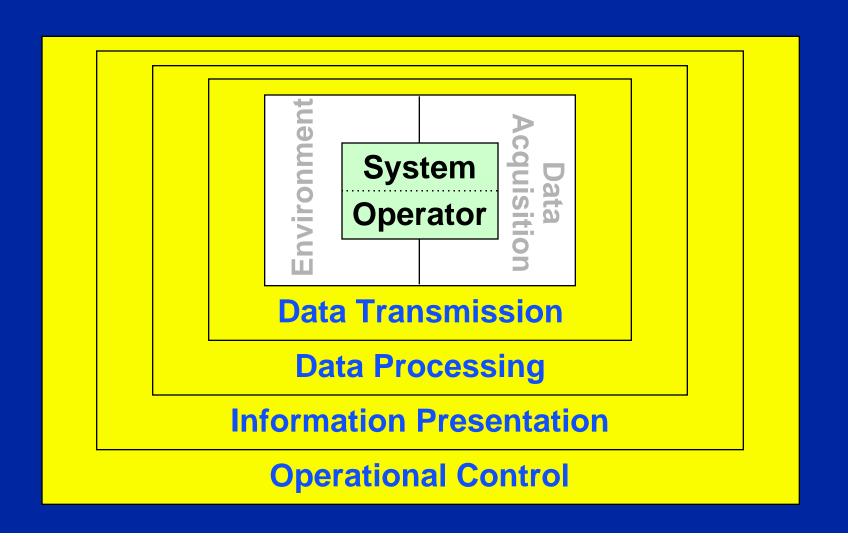
A Realistic Environment



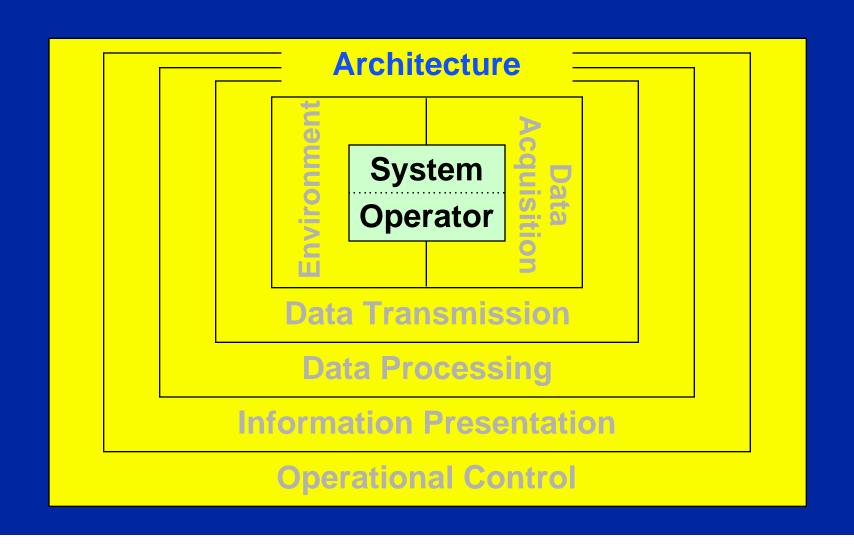
Data Acquisition



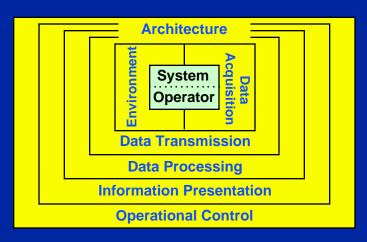
Outer Shells for Presentation and Control



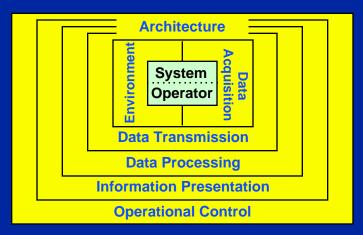
Architecture



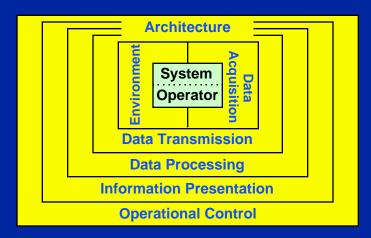
Same Functions, Different Worlds



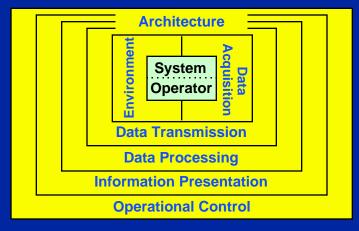
Simulations



Hardware-in-the-Loop

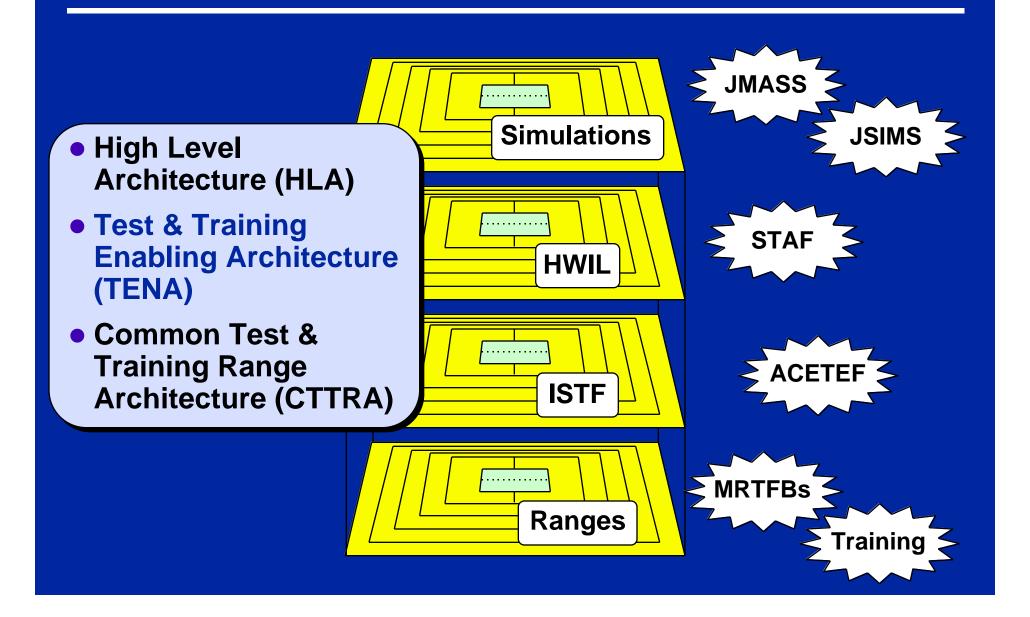


Testing / Training Ranges



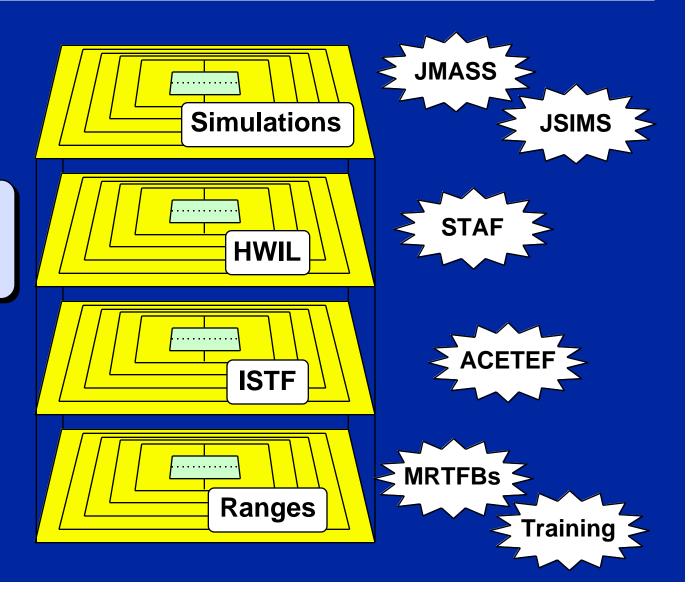
Installed Systems Test Facility

A Common Architecture



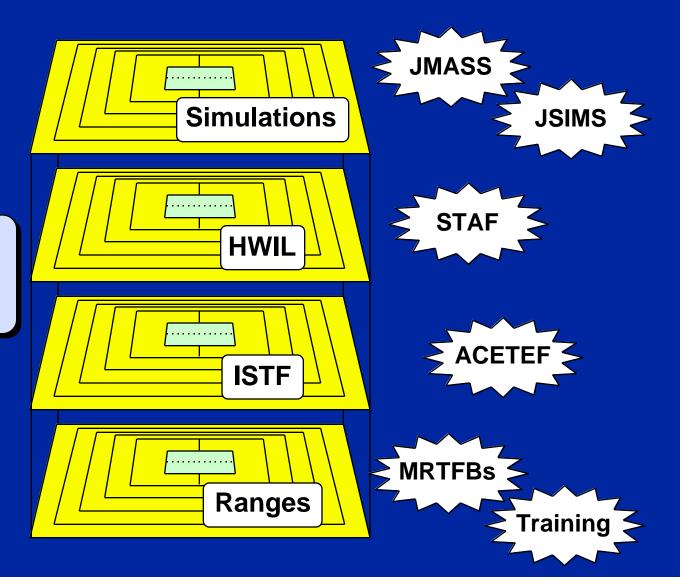
Common Control Tools

Virtual Test and Training Range (VTTR)

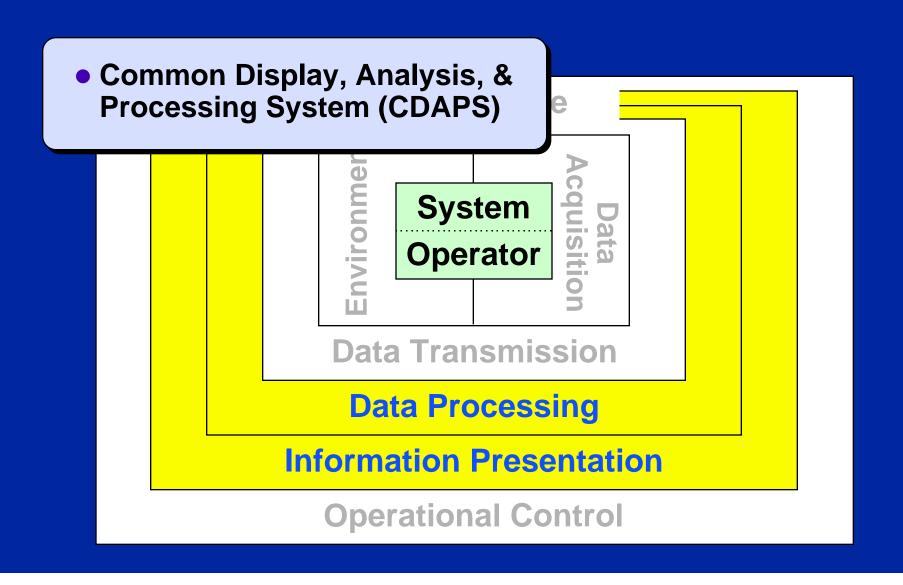


Common Productivity Enhancement Tools

 Joint Regional Range Complex (JRRC)



Common Software Modules



Summary Descriptionsof the Programs

- TENA: Provide a common architecture
- CDAPS: Provide common software modules for data processing, analysis & display
- VTTR: Provide common resources to facilitate integration of simulations and live systems
- JRRC: Provide common tools to facilitate interlinking different ranges & facilities